

S&MA Mission Services Task Directive

REC'D JUL 20 2001

Control No. <i>TAB</i> QS21-SVTD-000 008	PROJECT CODE: 2 nd . Generation Launch Vehicle	Contract No. NAS8-2 nd GEN
Originator's Signature: SLI Project - Dr. Safie <i>Dr. Safie</i>	Date: 7/11/01	Originator's Priority: High
Office Manager's Signature: QS21 Space Vehicle Manager <i>Don Paparek</i>	Date: 7-7-01	
COTR's Approval: <i>Terry J. Han</i>	Date: 7-11-01	
Subject: Reliability, Maintainability, and Supportability Engineering Support for the 2 nd Generation Launch Vehicle Program Office -- Reporting to Dr. Safie		

Task Description:

Reliability, Maintainability, and Supportability (RMS) (WBS-list applicable)

1. Support 2nd. Gen Program Office in the identification, assessment, and development of RMS Tools/ Models applicable to the 2nd Generation Program
2. Support RMS Analyses and Trade Studies
3. Support Milestone Reviews (IAR, SRR, etc)
4. Support 2nd Generation NASA/Industry RMS Working Groups
5. Review and access RMS data provided by TA contractors
6. Support allocation of requirements in the RMS-related areas
7. Evaluate project design changes related to the various RMS areas
8. Support the integration of RMS activities within centers, across centers, and among NASA and industry partners.
9. Provide the necessary qualitative data (FMEA, hazard analysis, etc.) in support of the RMS system analyses
10. Provide RMS support to ISAT (Inter-center Systems Analysis Team)

Deliverables:

R&M

- 1) RMS Tools and Models.
- 2) RMS analyses and trade studies
- 3) RMS review comments to Milestone Review documentation
- 4) RMS Working Group Reports
- 5) Evaluation reports of contractor provided RMS predictions, analyses, and trade studies.
- 6) RMS allocation and prediction reports
- 7) RMS design-change evaluation reports

Schedules/Duration:

- 1) Support schedules as defined by the Program
- 2) Define the anticipated life of project requiring support

Resource Estimate: (b)(4)

(b)(4)

Report Progress To: Dr. Safie

Frequency of Report:
Monthly